## IN THE CLAIMS:

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1. (original) An efficient fluid cleaning system comprising:

first means for changing the pressure of a fluid from a first pressure to a second pressure, said second pressure lower than said first pressure and

second means for distributing said fluid within an evaporation chamber at said second pressure, said evaporation chamber including an evaporation surface having capillary channels for dispersing oil about said evaporation surface via capillary action to facilitate evaporation of contaminants from within said fluid.

- 2. (original) The system of Claim 1 wherein said second means includes means for employing siphoning action to disperse said fluid about said evaporation surface when said efficient fluid cleaning system is installed at an angle so that said evaporation chamber is angled.
- 3. (withdrawn) The system of Claim 2 wherein said evaporation chamber includes substantially parallel or cylindrical walls to maximize fluid circulation out the system and to maximize the compactness of the fluid cleaning system, and wherein said evaporation surface is contoured to promote dripping from edges of the contours to enhance effective evaporation surface area via the surfaces of resulting fluid drops.
- 4. (original) The system of Claim 1 wherein said capillary channels are spiral capillary channels and wherein said fluid cleaning system further includes a vent for venting said contaminants through a ceiling of said evaporation chamber.
- 5. (withdrawn) The system of Claim 4 wherein said vent includes a valve biased in an open position and lacking a cracking pressure, said valve preventing the escape of said fluid from said system, and wherein said evaporation surface includes polygon-shaped perforations therein for allowing said fluid to pass radially through walls of said chamber

- and onto said evaporation surface, said perforations distributed in at least two dimensions 5 relative to said evaporation surface.
  - 6. (withdrawn and currently amended) The system of Claim 54 further including a housing, a filter disposed therein, said evaporation chamber surrounded by said filter, said filter disposed within said housing so that a space exists between said filter and said housing wherein said fluid can circulate, and further including fourth means for draining said clean fluid from said evaporation chamber via a drain extending through a base of said evaporation chamber, and wherein said fluid cleaning system lacks a built-in heater.
  - 7. (original) The system of Claim 4 wherein said capillary channels are partially circular and are sufficiently deep to distribute oil about a circumference of said evaporation chamber when said fluid cleaning system and said evaporation chamber are in a near horizontal position.
  - 8. (original) The system of Claim 1 further including means for squirting said fluid within said evaporation chamber to enhance effective evaporation surface area.
  - 9. (original) The system of Claim 8 wherein said means for squirting further including means for causing cavitation of said contaminants to facilitate evacuation of said contaminants from said system.
  - 10. (original) The system of Claim 9 wherein said means for causing cavitation includes one or more cavitation jets opening into said evaporation chamber, said one or more cavitation jets including funnel portions for accelerating said fluid to create a sufficiently low pressure to cause cavitation of said contaminants.

- 11. (original) The system of Claim 1 further including an electromagnetic coil disposed about said evaporation chamber, said electromagnetic coil acting as both a heater and an electromagnet, and wherein said fluid cleaning system includes additional channels that maintain said metallic contaminants when said electromagnetic coil is not powered.
  - 12. (previously amended) An efficient fluid cleaning system comprising:

first means for changing the pressure of a fluid from a first pressure to a second pressure, said second pressure lower than said first pressure and sufficient to cause cavitation of contaminants in said fluid and

second means for distributing said fluid within an evaporation chamber at said second pressure to facilitate evaporation of contaminants within said fluid.

- (previously amended) The system of Claim 12 wherein said evaporation chamber includes an evaporation surface that is at least partially surrounded by an electromagnetic coil and one or more spiral capillary channels.
- 14. (original) An efficient evaporation surface for a mobile oil recycling system comprising:

a surface contour for expanding the surface area of said evaporation surface over that of a substantially flat surface by at least five percent, said surface contour having perforations therein for allowing oil to pass therethrough and onto said evaporation surface and

capillary channels at various positions along said surface contour for distributing oil about said evaporation surface.

15. (original) An efficient fluid cleaning system comprising:

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first means for changing the pressure of a fluid from a first pressure to a second pressure, said second pressure lower than said first pressure and sufficient to cause cavitation of contaminants in said fluid;

second means for distributing said fluid within an evaporation chamber at said second pressure via one or more spiral capillary channels and one or more cavitation jets to facilitate evaporation of contaminants within said fluid;

an electromagnetic coil for simultaneously heating said evaporation chamber and removing metallic particles from circulation within said fluid; and

- a filter for removing solid contaminants from said fluid, said filter surrounding said evaporation chamber; and
  - a space between an oil inlet and said filter to facilitate distribution of fluid about one or more input surfaces of said filter.
- 16. (withdrawn and currently amended) An efficient oil recycling system comprising:
- a base plate having an oil inlet and a threaded protruding section concentric with said-base-plate;
- a filter having a filter housing with a housing base that has a female threaded section therein for mating with said threaded protruding section of said base plate; an exterior input surface and an interior output surface, said interior output surface adjacent to an exterior wall of an evaporation chamber;
- a seal for sealing said filterhousing base to said base plate and ereatingto a ceiling of said system to create a sealed space between said filterhousing and said base plate so that oil flows from said oil inlet into said space and then into said filter-via perforations in said-filter-base; and
  - an oil outlet in communication with an evaporation chamber within said filter, said evaporation chamberin communication with, an oil outlet and a vent, said evaporation

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- chamber having a vent and having a three-dimensional surface that hasan open end or 15 radial holes therethrough for allowing filtered oil to pass from said filter and onto said three-dimensional surface.
  - 17. (withdrawn and currently amended) The system of Claim 16 wherein said vent extends through a ceiling of said housingsystem to the atmosphere; wherein said oil outlet extends through said filter housing base plate opposite to said vent; wherein said oil outlet passes through said base plate approximately concentric with saidthreaded protruding section; and wherein said filter housingand said filter are part of a spin-on filter, said spinon filter having a pre-existing interior hollow section wherein said evaporation chamber is formed.
  - (withdrawn and currently amended) The system of Claim 16 wherein said evaporation chamber includes an<del>evaporation attachment that protrudes within an interior</del> of said filter housing, said evaporation attachment having said three-dimensional evaporation surface, said attachment having an open end over which filtered may flow onto-said-evaporationsurface, and wherein-said-evaporation-attachment-includes a threaded tube having threads on the interior of said tube for providing grooves for expanding the surface area of oil within said chamber, and wherein said threads facilitate attachment of said evaporation attachment to said base plate.
  - (withdrawn and currently amended) An efficient oil recycling system 19. comprising:
    - a housing having an end cap, a base, and a filter disposed therein;
- an oil inlet in said base, said oil inlet opening into a spacein a center of said filter, said-space defining an input surface of said filter; 5

a concentric space between formed by an output surface of said filter and an outer wall of said housing, said concentric space representing represents an evaporation chamber, said output surface an evaporation surface;

a vent in said end cap, said vent in communication with said concentric space, and said-end-cap-securing-said-filter-within-said-housing-against-said-base; and

an oil outlet in said base, said oil outlet in communication with said concentric space.

20. (withdrawn and currently amended) The system of Claim 18 wherein said evaporation surface includes various channels therein for maximizing the surface area of said evaporation surface by promoting capillary action dispersion of said oil on said evaporation surface, and wherein said evaporation surface includes a contour over which said oil may flow to increase the travel length of said oil over said evaporation surface, and wherein said base includes a groove or channel that varies in depth within said concentric space and is deepest at said oil outlet so that oil draining from said evaporation surface is directed to said outlet via said groove.

21. (previously added) An efficient fluid cleaning system comprising:

a housing having a filter disposed therein;

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an inlet opening into a first space in said housing between said inlet and said filter to facilitate distribution of fluid, at a first pressure, about one or more input surfaces of said filter:

an evaporation chamber exposed to a second pressure lower than said first pressure, said evaporation chamber partially surrounded by an output surface of said filter;

means for expanding an evaporative surface area of said evaporation chamber over that of a substantially flat surface; and

an outlet in communication with said evaporation chamber and positioned in a base of said housing.

22. (original) An efficient fluid cleaning system comprising:

first means for removing solid mater from said fluid and

second means for facilitating vaporizing certain liquids and/or gases in said fluid by squirting said fluid in an evaporation chamber to increase exposed surface area of said fluid in said evaporation chamber.